IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Peter C. Wait	Attorney Docket No: 101.0049 US/PCT
Serial No:	Art Unit: N/Y/A
Filed:	Examiner: N/Y/A
For: SYSTEM AND METHOD TO MINIMIZE MODULA	ATION INSTABILITY
Box PATENT APPLICATION Assistant Commissioner for Patents Washington, DC 20231	
DECLARATION FOR UTILITY OR	DESIGN PATENT APPLICATION
☐ Declaration Submitted with Initial Filing	☑ Declaration Submitted after Initial Filing
As a below named inventor, I hereby declare th	at:
My residence, post office address, and citizenship	are as stated below next to my name.
I believe I am the original, first and sole inventor (if only one name is listed below) or an original,
first and joint inventor (if plural names are listed be	elow) of the subject matter which is claimed and
for which a patent is sought on the invention entitl	ed:
SYSTEM AND METHOD TO MINIMIZE	E MODULATION INSTABILITY
CERTIFICATE OF MAILING	UNDER 37 C.F.R. 1.8 & 1.10
hereby certify that this document and its attachments are being sent on the Application, P.O. Box 1450, Alexandria, VA 22313-1450 by: ☐ facsimile to number	
	Phonda (Smith

the specification of	f w	hich
----------------------	-----	------

		is	attached	hereto
--	--	----	----------	--------

X	was filed on 11th December 2003, as United States Application Number
	or PCT International Application Number PCT/GB2003/005372.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign	Country	Foreign Filing +	Priority Not-	Certified C	opy Attached NO
0229633.3	GB	20 th December 2002		0	

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Numbers	PCT Parent Number	Parent Filing Date	Parent Ratent Number
	PCT/GB2003/005372	20 th December 2002	

Direct all correspondence to:

Patent Counsel

Schlumberger Reservoir Completions Schlumberger Technology Corporation

P.O. Box 1590

Rosharon, Texas 77583-1590

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Given	Name (first and middle [if a	my])		Family Nam		ne
	Peter C.			N N	/ait	
Inventor's Signature	solle	-{-			Date	28.4.20
Citizenship	United Kingdom					
Residence Address	Off Fields, Jacks Bush, Lo	opcombe,				
Residence: City	Salisbury	State	ZIP	SP5 1DA	Coun	try U.K.
Post Office Address	Off Fields, Jacks Bush, Lo	opcombe,				
City	Salisbury	State	ZIP	SP5 1DA	Coun	try U.K.

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Arthur H. Hartog	Attorney D	ocket No: 10	1.0049 US/PCT
Serial No:	Art Unit:	N/Y/A	
Filed:	Examiner:	N/Y/A	
For: SYSTEM AND METHOD TO MINIMIZE MODU	ILATION INSTA	BILITY	
Box PATENT APPLICATION Assistant Commissioner for Patents Washington, DC 20231			
DECLARATION FOR UTILITY O	R DESIGN P.	ATENT APP	LICATION
☐ Declaration Submitted with Initial Filing	☑ Declarat	ion Submitted	after Initial Filing
As a below named inventor, I hereby declare	that:		
My residence, post office address, and citizensh	ip are as stated	below next to	о ту пате.
I believe I am the original, first and sole invento	r (if only one 1	name is listed	below) or an original
first and joint inventor (if plural names are listed	below) of the	subject matter	which is claimed and
for which a patent is sought on the invention ent	itled:		
SYSTEM AND METHOD TO MINIME	ZE MODULA	TION INSTA	BILITY
CERTIFICATE OF MAILIN	G UNDER 37 C.F.R	. 1.8 & 1.10	
hereby certify that this document and its attachments are being sent on the Application, P.O. Box 1450, Alexandria, VA 22313-1450 by. facsimile to number first class mail. Express Mail: Post Office to Addressee No. EV 335954			er for Patents, Mail Stop Patent

the s	pecificat	tion of	which
	p volle		

×	was filed on 11th December 2003, as United States Application Number_	
	or PCT International Application Number PCT/GB2003/005372.	

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Numbers	- Country	Foreign Filing Date	Priority Not	Centified Co	py Attached NO
0229633.3	GB	20 th December 2002			0

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
1 2 3 4 1 1 1 T P	

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Numbers	PCT Parent Number	Parent Filing Date	Parent Patent Number
	PCT/GB2003/005372	20 th December 2002	
		,	

Direct all correspondence to:

Patent Counsel

Schlumberger Reservoir Completions Schlumberger Technology Corporation

P.O. Box 1590

Rosharon, Texas 77583-1590

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Given Name (first and middle [if any]) Arthur H.				Family Name or Surname					
			Hartog						
Inventor's Signature	Au di	3			Date	261	1pr.2005		
Citizenship Residence Address	Canada and The Netherla 31 Butterfield Road,	ands							
Residence: City	Southampton	State	ZIP	SO16 7EG	Country		United Kingdom		
Post Office Address	31 Butterfield Road,								
City	Southampton	State	ZIP	SO16 7EG	Coun	itry	United Kingdom		

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Peter C. Wait

Attorney Docket No: 101.0049 US/PCT

Serial No:

Art Unit:

Filed:

Examiner:

For: SYSTEM AND METHOD TO MINIMIZE MODULATION INSTABILITY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

POWER OF ATTORNEY

As the owner of the above-referenced patent application, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Jeffrey E. Griffin, 36,534 Jaime A. Castaño, 41,660 Tim W. Curington, 45,944 Bryan L. White, 45,211 John J. Ryberg, 31,134 Brigitté Jeffery Echols, 38,925 Bryan P. Galloway, 50,312 Dan C. Hu, 40,025 C. Dale Quisenberry, 36,643 Robin C. Nava, 42,926 William L. Wang, 39,871 Victor Segura, 44,329 John H. Bouchard, 29,286 Bryan P. Galloway, 50,312 Wayne I. Kanak, 35,564 Robert A. Van Someren, 36,038 Fred G. Pruner, Jr. 40,779 Kenneth D. Goodman, 30,460

Direct all correspondence to:

Patent Counsel Schlumberger Reservoir Completions Schlumberger Technology Corporation P.O. Box 1590 Rosharon, Texas 77583-1590 281/285-5720

Cesar Jaime

Director

Sensor Highway Limited

April 15, 2005

Date Signed